

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1178716

Luminaire Tested: LDA2B108035R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108035R2050D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

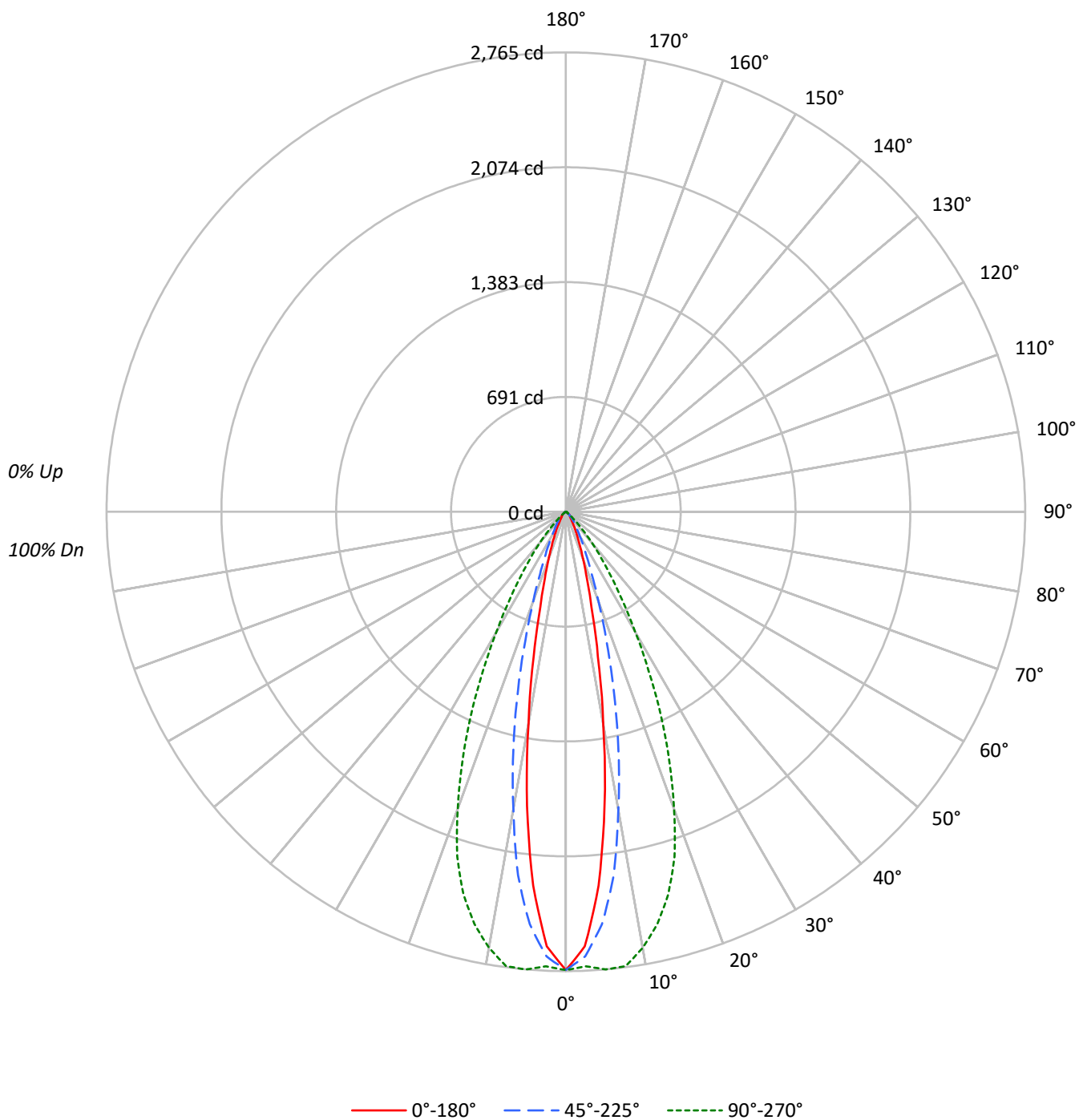
Lumens per Lamp: N/A
Luminaire Lumens: 991.5 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1178716

CATALOG NUMBER: LDA2B108035R2050D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1178716

CATALOG NUMBER: LDA2B108035R2050D010 2LBDC1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1360692	1360692	1360692
5°	1118662	1234302	1369307
10°	649361	912071	1334992
15°	302527	568074	1216593
20°	159397	299527	999962
25°	88296	162166	737505
30°	51784	95023	476997
35°	33246	63722	282652
40°	25955	42957	157016
45°	22467	25676	69842
50°	20340	17653	25636
55°	13848	12902	11870
60°	10262	9078	9078
65°	8055	6771	8055
70°	6635	6635	6635
75°	6672	6672	6672
80°	6535	6535	6535
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 69842 cd/sqm

TEST NUMBER: P1178716

CATALOG NUMBER: LDA2B108035R2050D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	22.1
10°-20°	359.6	36.3
20°-30°	239.9	24.2
30°-40°	108.1	10.9
40°-50°	39.6	4.0
50°-60°	13.9	1.4
60°-70°	6.5	0.7
70°-80°	3.4	0.3
80°-90°	1.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	819.0	82.6
0°-40°	927.1	93.5
0°-60°	980.6	98.9
0°-90°	991.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	991.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2758	2758	2758	2758	2758	
5°	2259	2329	2492	2674	2765	184
15°	592	696	1112	1879	2382	177
25°	162	189	298	812	1355	78
35°	55	62	106	229	469	37
45°	32	32	37	58	100	25
55°	16	15	15	13	14	15
65°	7	7	6	6	7	7
75°	4	4	4	4	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1178716

CATALOG NUMBER: LDA2B108035R2050D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2758.0	2758.0	2758.0	2758.0	2758.0
2.5°	2618.8	2646.4	2678.6	2712.0	2738.4
5°	2258.8	2329.0	2492.3	2674.0	2764.9
7.5°	1786.1	1889.7	2207.1	2565.9	2758.0
10°	1296.2	1428.5	1820.6	2378.5	2664.8
12.5°	891.3	1015.6	1460.7	2141.5	2541.8
15°	592.3	695.8	1112.2	1879.3	2381.9
17.5°	417.5	487.7	808.5	1592.9	2176.0
20°	303.6	350.8	570.5	1312.3	1904.6
22.5°	220.8	256.5	406.0	1048.9	1629.7
25°	162.2	188.6	297.9	812.0	1354.8
27.5°	120.8	141.5	223.1	616.5	1080.0
30°	90.9	108.1	166.8	454.3	837.3
32.5°	70.2	81.7	127.7	324.3	633.7
35°	55.2	62.1	105.8	228.9	469.3
37.5°	46.0	50.6	87.4	159.9	343.9
40°	40.3	43.7	66.7	113.9	243.8
42.5°	35.7	38.0	48.3	81.7	158.7
45°	32.2	32.2	36.8	57.5	100.1
47.5°	29.9	26.5	28.8	40.3	58.7
50°	26.5	21.9	23.0	27.6	33.4
52.5°	20.7	18.4	18.4	18.4	19.6
55°	16.1	15.0	15.0	12.7	13.8
57.5°	12.7	12.7	11.5	10.4	11.5
60°	10.4	10.4	9.2	8.1	9.2
62.5°	8.1	8.1	6.9	6.9	8.1
65°	6.9	6.9	5.8	5.8	6.9
67.5°	5.8	5.8	5.8	4.6	5.8
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.5	3.5	4.6	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)